

Listing of the Claims:

The following is a complete listing of all the claims in the application, with an indication of the status of each:

1-13. (Canceled)

14. (Currently Amended) A process for producing a freely demoldable foil from a polyurethane composition, comprising components (A)-(D), at least some of which are stored separately:

(A) a di- or polyisocyanate

(B) a compound containing hydrogen active in a polyurethane reaction;

(C) a catalyst or a system catalyzing the polyurethane reaction;

(D) a fine-particle oxide of a metal or of a metalloid, as additive; at a concentration above 3% by weight

in the absence of amine initiators,

the process comprising spraying the composition in one or more passes onto a smooth surface or into a mold, permitting it the sprayed composition to react to completion, and demolding the foil after curing.

15. (Previously Presented) The process as claimed in claim 14, wherein the manner of spray-application is such as to give a layer thickness of from 0.1 to 5 mm.

16. (Previously Presented) The process as claimed in claim 14, wherein the composition is sprayed using a temperature of from 40 to 90°C.

17. (Currently Amended) The polyurethane foil of claim 36, ~~in which the fine-particle oxide is in a proportion~~ by weight comprising an amount ranging from 5 to 15% of the fine-particle oxide.

18. (Canceled)

19. (Previously Presented) The process as claimed in claim 14, wherein the

composition comprises additives.

20. (Previously Presented) The process as claimed in claim 14, wherein in component (A), use is made of an isocyanate in which the isocyanate groups have no direct bonding to an aromatic group.

21. (Previously Presented) The process as claimed in claim 14, wherein the compound of component (B) containing active hydrogen has been selected from polyols.

22. (Previously Presented) The process as claimed in claim 14, wherein component (A) has an average functionality of from 2 to 3 and an NCO content of from 8 to 25%, and component (B) has an average functionality of from 2 to 8.

23. (Previously Presented) The process as claimed in claim 14, which comprises, as catalyst, titanium catalyst, or tin catalyst, or comprises a system in which the lead compounds, bismuth compounds, titanium compounds, and/or tin compounds are present.

24. (Previously Presented) The process as claimed in claim 14, which also comprises an OH-terminated chain extender or crosslinking agent with a molecular weight below 1000 and with an average functionality of from 2 to 6.

25. (Previously Presented) The process as claimed in claim 14, wherein the proportion by weight of component (C) is from 0.03 to 5 %.

26. (Previously Presented) The process as claimed in claim 14, wherein the proportion by weight of component (D) is from 3 to 20 %.

27. (Previously Presented) The process as claimed in claim 14, wherein a release agent for better demolding has also been added to the reaction mixture.

28. (Previously Presented) The process as claimed in claim 14, wherein the fine-

particle oxide is a fumed silicon oxide, aluminium oxide, titanium oxide or is a mixture of these oxides.

29. (Previously Presented) The process as claimed in claim 14, wherein the fine-particle oxide is an oxide hydrophobocized at least on the surface.

30. (Previously Presented) The process of claim 20, comprising use of aliphatic or alicyclic isocyanates or associated derivatives selected from the group consisting of allophanates, biuretes and prepolymers.

31. (Previously Presented) The process of claim 21, wherein the compound of component (B) has more than 60% of primary OH groups.

32. (Previously Presented) The process of claim 28, wherein with the fine-particle oxide is also relatively small amounts of other oxides of metals or of metalloids.

33. (Previously Presented) The process of claim 29, wherein the oxide hydrophobicized at least on the surface is hydrophobicized fumed silica.

34. (Previously Presented) The process as claimed in claim 14, wherein the manner of spray-application is such as to give a layer thickness of from 0.1 to 3 mm.

35. (Previously Presented) The process as claimed in claim 14, wherein the manner of spray-application is such as to give a layer thickness of from 0.1 to 2 mm.

36. (Currently Amended) A demolded polyurethane foil consisting of a sprayed foil or a cast foil with a layer thickness from 0.1 to 5 mm, which comprises a fine-particle oxide of a metal or of a metalloid, and which is free from amine initiators.

37-38. (Canceled)